

Notice of Allowability

Application No.

09/609,269

Examiner

Anh-Vu H. Ly

Applicant(s)

KADYK, DONALD

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed December 02, 2005.
2. ☒ The allowed claim(s) is/are 1, 3-4, 6-8, 11-14, 16-21, 23-24, 26-27, 30-36, 38-39, 41-44, and 48-51 renumbered as 1-37.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

DETAILED ACTION

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Jens C. Jenkins on February 10, 2006.

The application has been amended as follows:

In The Claims

Claim 1, in line 2, replace "remote wireless system" with - -remote wireless device- - and in line 6, delete "over".

Claim 4, in line 6, replace "the destination address" with - -the telephone number- -.

13. (Currently Amended) A computer program product comprising one or more computer-readable media having computer-executable instructions that, when executed by a processor, implement the method recited in claim 1. ~~for use in a gateway computer system coupled between at least one originating computer system and at least one remote wireless system, the computer program product for implementing a method of dynamically converting data from a first format as received at the gateway computer system from an originating computer system into a second data format compatible with a remote wireless system prior to transmitting the data to the remote~~

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~~wireless device so that the remote wireless device does not have to convert the data into the second data format, the computer program product comprising a computer-readable medium having computer-executable instructions for performing the following:~~

~~receiving a message from an originating computing system that includes data in a first data format and that is intended for a remote wireless device that has an associated telephone number;~~

~~examining the message and identifying the telephone number of the remote wireless device, which is included as part of the message;~~

~~determining, based in part on the telephone number, that the remote wireless device recognizes data in one or more formats that are different than the first data format;~~

~~identifying a sequence of format conversion modules that, when executed in sequence, converts the data from the first data format into a second data format that is recognized by the remote wireless device, wherein identifying is based on the telephone number associated with the remote wireless device;~~

~~converting the data from the first data format into an intermediate data format using a first format conversion module in the sequence of format conversion modules; and~~

~~converting the data from the intermediate data format into the second data format using at least one second format conversion module in the sequence of format conversion modules, each of the second format conversion modules converting the data into different formats;~~

~~upon converting the data to the second data format, transmitting the data to the remote wireless device having the associated telephone number.~~

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Claims 17 and 24, in lines 5-6, replace "remote computer system" with - -remote wireless device- - and replace "the destination address" with - -the telephone number- -.

Claim 20, in line 2, replace "remote wireless system" with - -remote wireless device- - and in line 8, delete "data in a first data format from".

33. (Currently Amended) A computer program product comprising one or more computer-readable media having computer-executable instructions that, when executed by a processor, implement the method recited in claim 20. ~~for use in a gateway computer system coupled between at least one originating computer system and at least one remote wireless system, the computer program product for implementing a method of dynamically converting data in a first format as received from an originating computer system into a second data format compatible with a remote wireless device prior to transmitting the data to the remote wireless device so that the remote wireless device does not have to convert the data into the second data format, the computer program product comprising a computer-readable medium having computer-executable instructions for performing the following:~~

~~receiving a message from data in a first data format from an originating computing system that includes data in a first data format and that is intended for a remote wireless device that has an associated telephone number;~~

~~examining the message and identifying the telephone number of the remote wireless device, which is included as part of the message;~~

~~determining, based in part on the telephone number, that the remote wireless device only recognizes data in one or more formats that are different than the first data format;~~

~~an act of identifying a plurality of sequences of format conversion modules that each, when executed in sequence, converts the data from the first data format into a second data format comprising a format that the remote wireless device recognizes, wherein identifying the plurality of sequences is based on the telephone number associated with the remote wireless device; and~~

~~a step for converting the data from the first data format into the second data format using one of the plurality of the sequences of format conversion modules; and~~

~~upon converting the data to the second data format, transmitting the data to the remote wireless system having the associated telephone number.~~

Claim 35, in lines 2 and 5, replace “remote wireless system” with
- -remote wireless device- - and in line 7, delete “data in a first data format from”.

Allowable Subject Matter

2. Claims 1, 3-4, 6-8, 11-14, 16-21, 23-24, 26-27, 30-36, 38-39, 41-44, and 48-51 are allowed.

The following is an examiner’s statement of reasons for allowance:

The prior art does not teach or fairly suggest identifying the telephone number of the remote wireless device, which is included as part of the received message; determining, based in part on the telephone number, that the wireless device only recognizes data in one or more formats that are different than the first data format; and identifying a sequence of format

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conversion modules that, when executed in sequence, converts the data from the first data format into a second data format that is recognized by the remote wireless device, wherein identifying is based on the telephone number associated with the remote wireless device, as specified in independent claim 1.

The prior art does not teach or fairly suggest identifying the telephone number of the remote wireless device, which is included as part of the received message; determining, based in part on the telephone number, that the wireless device only recognizes data in one or more formats that are different than the first data format; and identifying a plurality of sequences of format conversion modules that each, when executed in sequence, converts the data from the first data format into a second data format comprising a format that the remote wireless device recognizes, wherein identifying the plurality of sequences is based on the telephone number associated with the remote wireless device, as specified in independent claim 20.

The prior art does not teach or fairly suggest identifying the telephone number of the remote wireless device, which is included as part of the received message; determining, based in part on the telephone number, that the wireless device only recognizes data in one or more formats that are different than the first data format; and identifying different sequences of first and second format conversion modules that are a subset of the plurality of format conversion modules and that, when executed in sequence, result in the data being converted from the first data format into the second data format, wherein identifying the different sequences is based upon the telephone number associated with the remote wireless device, as specified in independent claim 35.

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Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Lockwood (US Pub 2005/0157857 A1) discloses arrangement for converting telephone number formats for notification systems.

Titmuss et al (US Patent No. 6,167,122) discloses telecommunications routing based on format of message.


4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Anh-Vu H. Ly whose telephone number is 571-272-3175. The examiner can normally be reached on Monday-Friday 7:00am - 4:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chi Pham can be reached on 571-272-3179. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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PERMISSORY PATENT EXAMINER
ELECTRONIC BUSINESS CENTER
4/15/06